



# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 102085-0001

First Inventor Manfred R. Kuehnle et al.

Title INFORMATION TRANSMISSION NETWORK FOR SELF-DIRECTED MESSAGES USING LAMBDA-RESPONSIVE PHOTONIC SWITCHES

Express Mail Label No. EL705514837US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. Applicant claims small entity status.  
See 37 CFR 1.27.
3. Specification [Total Pages 14]  
(preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. Drawing(s) (35 U.S.C. 113) [Total Sheets 3]
5. Oath or Declaration [Total Pages 1]
  - a.  Newly executed (original or copy)
  - b.  Copy from a prior application (37 CFR 1.63 (d))  
(for a continuation/divisional with Box 18 completed)
    - i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6.  Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a.  Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  paper
  - c.  Statements verifying identity of above copies

## ACCOMPANYING APPLICATIONS PARTS

9.  Assignment Papers (cover sheet & document(s))
10.  37 C.F.R. §3.73(b) Statement  Power of Attorney (when there is an assignee)
11.  English Translation Document (if applicable)
12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
13.  Preliminary Amendment
14.  Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15.  Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16.  Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17.  Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation     Divisional     Continuation-in-part (CIP)    of prior application No. \_\_\_\_\_ /

Prior application information: Examiner \_\_\_\_\_

Group / Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 17. CORRESPONDENCE ADDRESS

|  |   |   |                |  |                    |
|--|---|---|----------------|--|--------------------|
| <input checked="" type="checkbox"/> Customer Number or Bar Code Label<br><i>(Insert C)</i> |   |  |                | <input type="checkbox"/> Correspondence address below<br><i>(Insert C)</i> |                    |
| Name   | John F. McKenna<br>24267<br>PATENT TRADEMARK OFFICE |   |                |  |                    |
| Address  | Cesari and McKenna<br>88 Black Falcon Avenue        |   |                |  |                    |
| City   | Boston  | State   | MA             | Zip Code   | 02210              |
| Country  | U. S. A.  | Telephone   | (617) 951-2500 |  | Fax (617) 951-3927 |

|                   |                 |                                   |                        |
|-------------------|-----------------|-----------------------------------|------------------------|
| Name (Print/Type) | John F. McKenna | Registration No. (Attorney/Agent) | 20,912                 |
| Signature         |                 |                                   | Date November 29, 2001 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

 11/29/01  
1157 U.S. PTO

 11/29/01  
A  
1811 U.S. PTO  
097590

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# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$)

412

Complete if Known

|                      |                           |
|----------------------|---------------------------|
| Application Number   | Not yet assigned          |
| Filing Date          | November 29, 2001         |
| First Named Inventor | Manfred R. Kuehnle et al. |
| Examiner Name        | Not yet assigned          |
| Group Art Unit       | Not yet assigned          |
| Attorney Docket No.  | 102085-0001               |

## METHOD OF PAYMENT

1.  The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

|   |                         |
|---|-------------------------|
| Deposit Account Number  | 03-1237                 |
| Deposit Account Name  | Cesari and McKenna, LLP |
| <input checked="" type="checkbox"/> Charge Any Additional Fee Required<br><input checked="" type="checkbox"/> Under 37 C.F.R. §§1.16 and 1.17 |                         |
| <input type="checkbox"/> Applicant claims small entity status.<br>See 37 CFR 1.27   |                         |

2.  Payment Enclosed:

Check  Credit card  Money Order  Other

## FEE CALCULATION

## 1. BASIC FILING FEE

| Large Entity             | Small Entity | Fee Description | Fee Paid |
|--------------------------|--------------|-----------------|----------|
| Fee Code                 | Fee Code     | Fee (\$)        | Fee (\$) |
| 101                      | 740          | 201             | 370      |
| 106                      | 330          | 206             | 165      |
| 107                      | 510          | 207             | 255      |
| 108                      | 740          | 208             | 370      |
| 114                      | 160          | 214             | 80       |
| <b>SUBTOTAL (1) (\$)</b> |              | 370             |          |

## 2. EXTRA CLAIM FEES

|                    |    | Extra Claims | Fee from claims below | Fee Paid  |
|--------------------|----|--------------|-----------------------|-----------|
| Total Claims       | 14 | - 20**       | = 0                   | x 9 = 0   |
| Independent Claims | 4  | - 3**        | = 1                   | x 42 = 42 |
| Multiple Dependent |    |              |                       | = 0       |

| Large Entity             | Small Entity | Fee Description |
|--------------------------|--------------|-----------------|
| Fee Code                 | Fee Code     | Fee (\$)        |
| 103                      | 18           | 203             |
| 102                      | 84           | 202             |
| 104                      | 280          | 204             |
| 109                      | 84           | 209             |
| 110                      | 18           | 210             |
| <b>SUBTOTAL (2) (\$)</b> |              | 42              |

\*\*or number previously paid, if greater; For Reissues, see below

## 3. ADDITIONAL FEES

Large Entity Small Entity

| Fee Code                          | Fee (\$) | Fee Code (\$) | Fee Description   | Fee Paid |
|-----------------------------------|----------|---------------|---|----------|
| 105                               | 130      | 205           | 65 Fee Surcharge - late filing fee or oath                                    |          |
| 127                               | 50       | 227           | 25 Surcharge - late provisional filing fee or cover sheet                     |          |
| 139                               | 130      | 139           | 130 Non-English Specification   |          |
| 147                               | 2,520    | 147           | 2,520 For filing a request for ex parte reexamination                         |          |
| 112                               | 920      | 112           | 920* Requesting publication of SIR prior to Examiner action                   |          |
| 113                               | 1,840    | 113           | 1,840*Requesting publication of SIR after Examiner action                     |          |
| 115                               | 110      | 215           | 55 Extension for reply within first month                                     |          |
| 116                               | 400      | 216           | 200 Extension for reply within second month                                   |          |
| 117                               | 920      | 217           | 460 Extension for reply within third month                                    |          |
| 118                               | 1,440    | 218           | 720 Extension for reply within fourth month                                   |          |
| 128                               | 1,960    | 128           | 980 Extension for reply within fifth month                                    |          |
| 119                               | 320      | 219           | 160 Notice of Appeal  |          |
| 120                               | 320      | 220           | 160 Filing a brief in support of an appeal                                    |          |
| 121                               | 280      | 221           | 140 Request for oral hearing  |          |
| 138                               | 1,510    | 138           | 1,510 Petition to institute a public use proceeding                           |          |
| 140                               | 110      | 240           | 55 Petition to revive - unavoidable   |          |
| 141                               | 1,280    | 241           | 640 Petition to revive - unintentional  |          |
| 142                               | 1,280    | 242           | 640 Utility Issue fee (or reissue)  |          |
| 143                               | 460      | 243           | 230 Design Issue fee  |          |
| 144                               | 620      | 244           | 310 Plant Issue fee   |          |
| 122                               | 130      | 122           | 130 Petitions to the Commissioner   |          |
| 123                               | 50       | 123           | 50 Processing fee under 37 CFR 1.17(q)  |          |
| 126                               | 180      | 126           | 180 Submission of Information Disclosure Stmt                                 |          |
| 581                               | 40       | 581           | 40 Recording each patent assignment per property (times number of properties) |          |
| 146                               | 740      | 246           | 370 Filing a submission after final rejection (37 CFR 1.129(a))               |          |
| 149                               | 740      | 249           | 370 For each additional invention to be examined (37 CFR 1.129(b))            |          |
| 179                               | 740      | 279           | 370 Request for Continued Examination (RCE)                                   |          |
| 169                               | 900      | 169           | 900 Request for expedited examination of a design application                 |          |
| Other fee (specify)               |          |               |   |          |
| *Reduced by Basic Filing Fee Paid |          |               | <b>SUBTOTAL (3) (\$)</b>  | 0        |

\*\*or number previously paid, if greater; For Reissues, see below

Complete (if applicable)

|                   |                 |                                   |        |           |                   |
|-------------------|-----------------|-----------------------------------|--------|-----------|-------------------|
| Name (Print/Type) | John F. McKenna | Registration No. (Attorney/Agent) | 20,912 | Telephone | (617) 951-2500    |
| Signature         |                 |                                   |        | Date      | November 29, 2001 |

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Re The Application of: )  
Manfred R. Kuehnle et al. )  
Serial No.: Not yet assigned ) Examiner: Not yet assigned  
Filed: November 29, 2001 )  
For: OPTICAL TRANSMISSION NET- ) Art Unit: Not yet assigned  
WORK FOR SELF-DIRECTED )  
MESSAGES )  
 ) Cesari and McKenna, LLP  
 ) 88 Black Falcon Avenue  
 ) Boston, MA 02210  
 ) November 29, 2001

**EXPRESS-MAIL DEPOSIT**

“Express Mail” Mailing-Label Number: EL705514837US

The following papers are being deposited with the United States Postal Service  
“Express Mail Post Office to Addressee” service pursuant to 37 C.F.R. §1.10:

X Patent Application ( 14 pages including 14 claims )      X Utility Patent Application Transmittal  
X Fee Transmittal Letter      Letter  
X Informal Drawing ( 3 sheets )      X Check No. 4412 for \$412